Dynamar™ Polymer Processing Additives

Increase productivity. Reduce costs.

dyneon

DEFY THE ORDINARY.

With Dynamar™ PPAs, production can be a smooth ride.

You know the problems that can plague the extrusion process: product defects, melt fractures, die head wear, die build-up, frequent maintenance time and inconsistent production. But you can overcome these obstacles with Dynamar™ PPAs (Polymer Processing Additives) from Dyneon.

Used at low concentrations, Dynamar PPAs can help eliminate or significantly reduce these problems. From the low melt index strength of LLDPE to the high molecular weight of HMW-HDPE, Dynamar PPAs have the versatility to handle it all without sacrificing product quality or altering existing equipment. You get a smoother, more economical production process through:

- Elimination of melt-fracture
- Reduction of die build-up
- Reduction of gels
- Better gauge control
- Higher through-put
- Reduced energy consumption
- Reduction of maintenance time
- Quicker color changes
- Improved stabilization through lower processing temperatures
- Increased recycling abilities
- Reduced cycle time
- Increased quality of products
- Reduction of surface defects
- Extrusion of tougher polymers (down gauge)

The bottom line for you is increased productivity through better processability, fewer rejects and a reduction in materials -- all this just by adding Dynamar PPAs to the process.

This is an example of a cutaway of polymer flowing through die.

A dynamic coating of Dynamar PPA reduces friction and changes the velocity profile of the polymer melt from parabolic flow to plug flow. The result is a smoother, more economical production process.

Versatile — whatever the application.

From blown film to blow molding, Dynamar PPAs have the versatility needed to help you meet your manufacturing goals. Applications include:

Blown Film and Cast Film Products

- Food and non-food packaging film
- Agricultural film
- Tapes

Wire and Cable Insulation and Jacketing

- Telecommunication
- Low voltage

Extrusion Blow Molding

- Bottles
- Drums
- Tanks

Pipes and Tubing

- Water and gas high pressure pipe
- Sewer and drainage pipe
- Irrigation tubing
- Conduits

Extruded Fibers

- Mono-filament for bailing twine, agricultural produce net sacks, fishing nets and ropes
- Multifilament

Minimize waste and maximize profits.

There are three major categories of waste in any manufacturing process: wasted materials, wasted time and wasted effort. Dynamar PPAs decrease the time for color changes by reducing the pigment residence time in the extrusion system. They reduce the need for periodic die cleaning maintenance by reducing die build-up. Dynamar PPAs also allow you to optimize the parameters controlling your production process. But what are the bottom line benefits for your business?

- Dynamar PPAs improve recycle possibilities by increasing the retention of physical properties of all resins after multiple extrusion re-process sequences.
- Dyneon PPAs can help optimize material properties without affecting productivity. They allow the processing of tougher resins, including metallocene grades, through narrow die configurations. You save time and effort by solving these potential production problems before they have a chance to happen.

Don't let potential profits slip away. Let Dynamar PPAs help you minimize waste in your manufacturing process.

Technical and sales support — second to none.

From process improvements to product testing, Dyneon has field personnel ready to bring you excellent technical assistance. They have the ability to listen and work with you to reach creative, individual solutions to your most challenging issues.

Sound intriguing? Then let us tell you specifically how Dynamar PPAs can improve your productivity in polyolefin extrusion processing. Just call 1-651-733-5353; 1-800-723-9127; the phone numbers listed on the back cover or visit us at www.dyneon.com.

Dyneon. Where bending the rules is the rule.

Innovation is the key to any successful enterprise. At Dyneon, we are committed to the development of fluoropolymers and processing additives that bring innovative solutions to your business. Our team of top scientists, technicians and marketers are dedicated to technical precision, quality and reliability in every product we make. Our team of experts has the flexibility to respond quickly to meet the conditions of today's more demanding environments.

Indicative of our commitment to innovation and excellence, all Dyneon locations (design, research, development, production and service facilities) have achieved a global ISO 9001 registration. And our Gendorf, Germany location has achieved ISO 14001 registration.

Other Dyneon products:

Dyneon™
PTFE Resins
Custom PTFE Compounds
PTFE Micropowders

Dyneon™
PFA, ETFE, FEP, THV and HTE Fluorothermoplastics

Dyneon™
Fluoroelastomers
Base Resistant Elastomers

Dynamar™
Elastomer Processing Agents

Dyneon™
Monomers

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